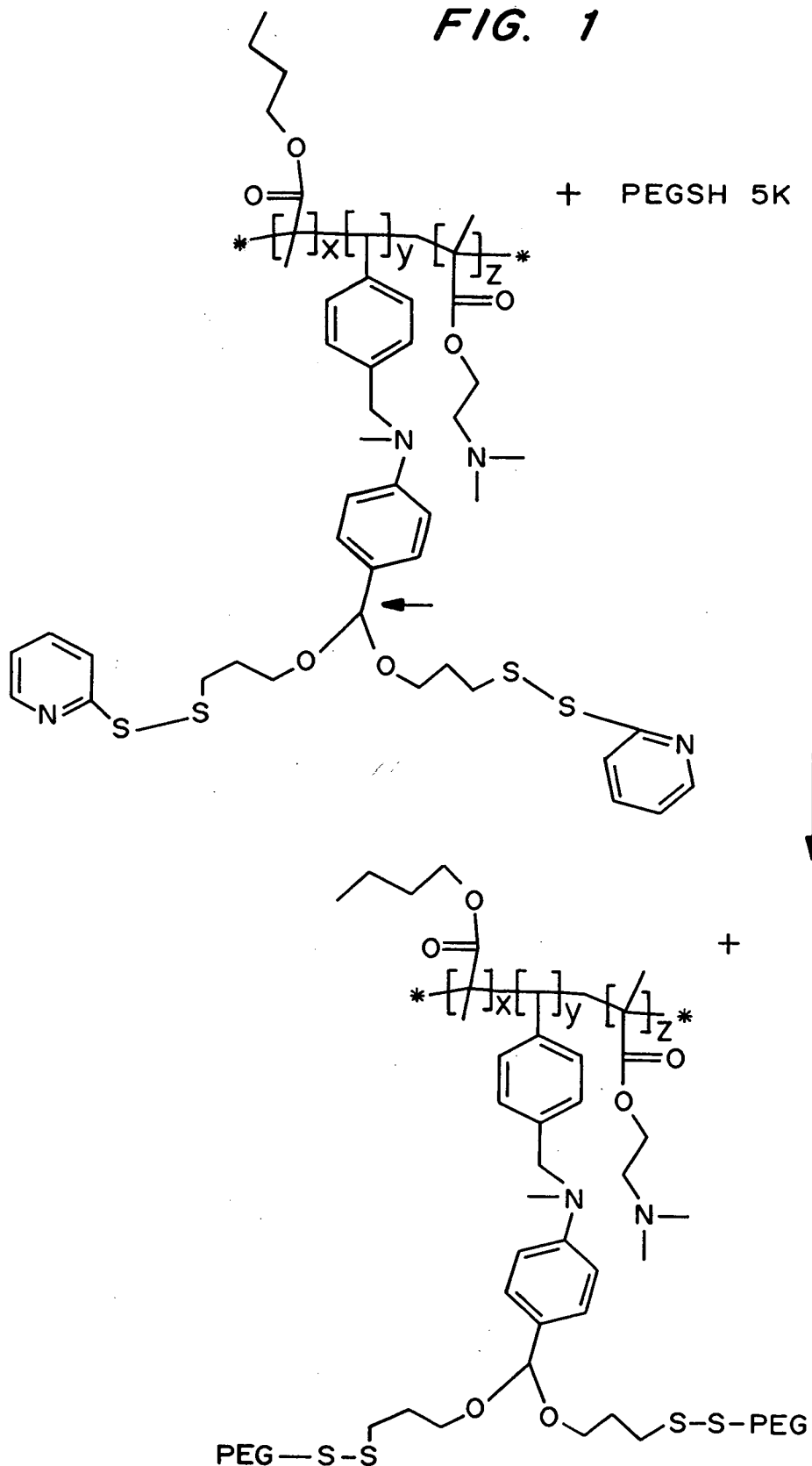


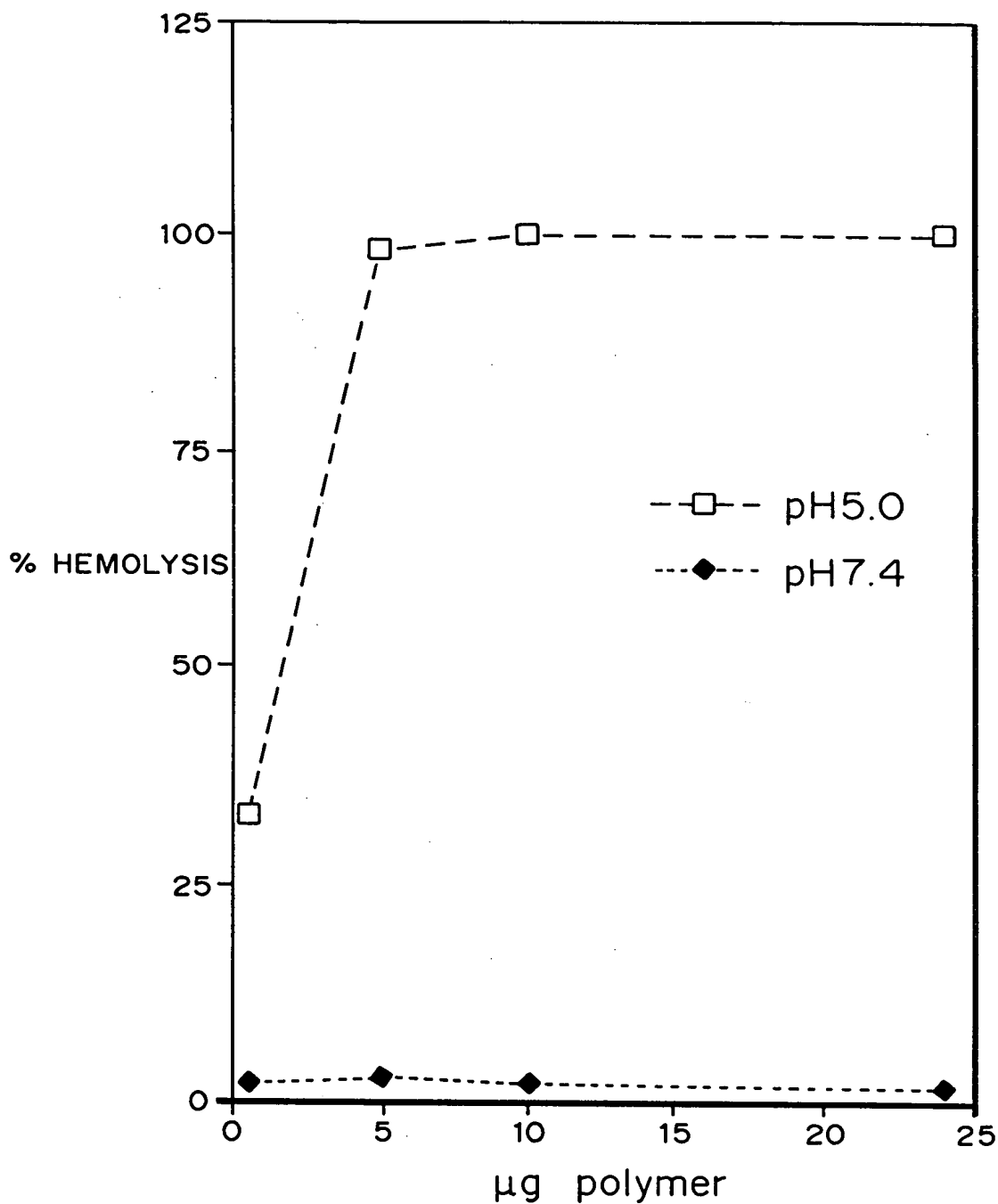
APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

"Enhanced Transport Using Membrane Disruptive Agents"
 Inventors: Allan S. Hoffman, Patrick S. Stayton, and Niren Murthy
 U.S.S.N. 09/755,701
 Filed: January 5, 2001
 Unit: 1635
 Atty. Docket No. UWS 105

FIG. 1



APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



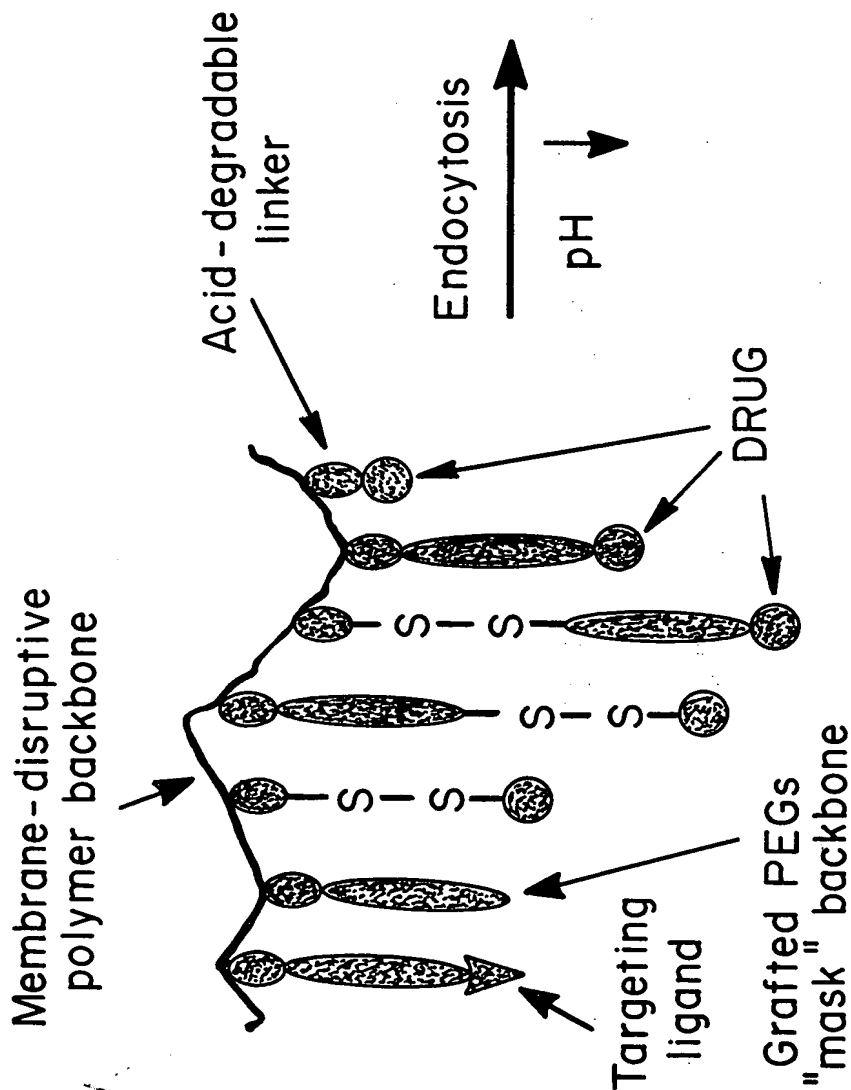
Experimental Conditions

- (1) 2% RBCs in 1ml PBS buffer
- (2) Incubation temperature 37C
- (3) Incubation time 20 minutes
- (4) Experiments done in triplicate STD < 2%

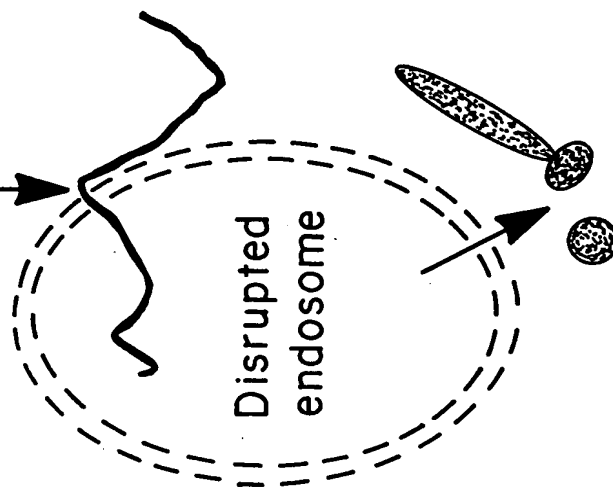
FIG. 2

APPROVED	O.G. FIG.	
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FIG. 3



"Unmasked" backbone
 disrupts endosomal
 membrane

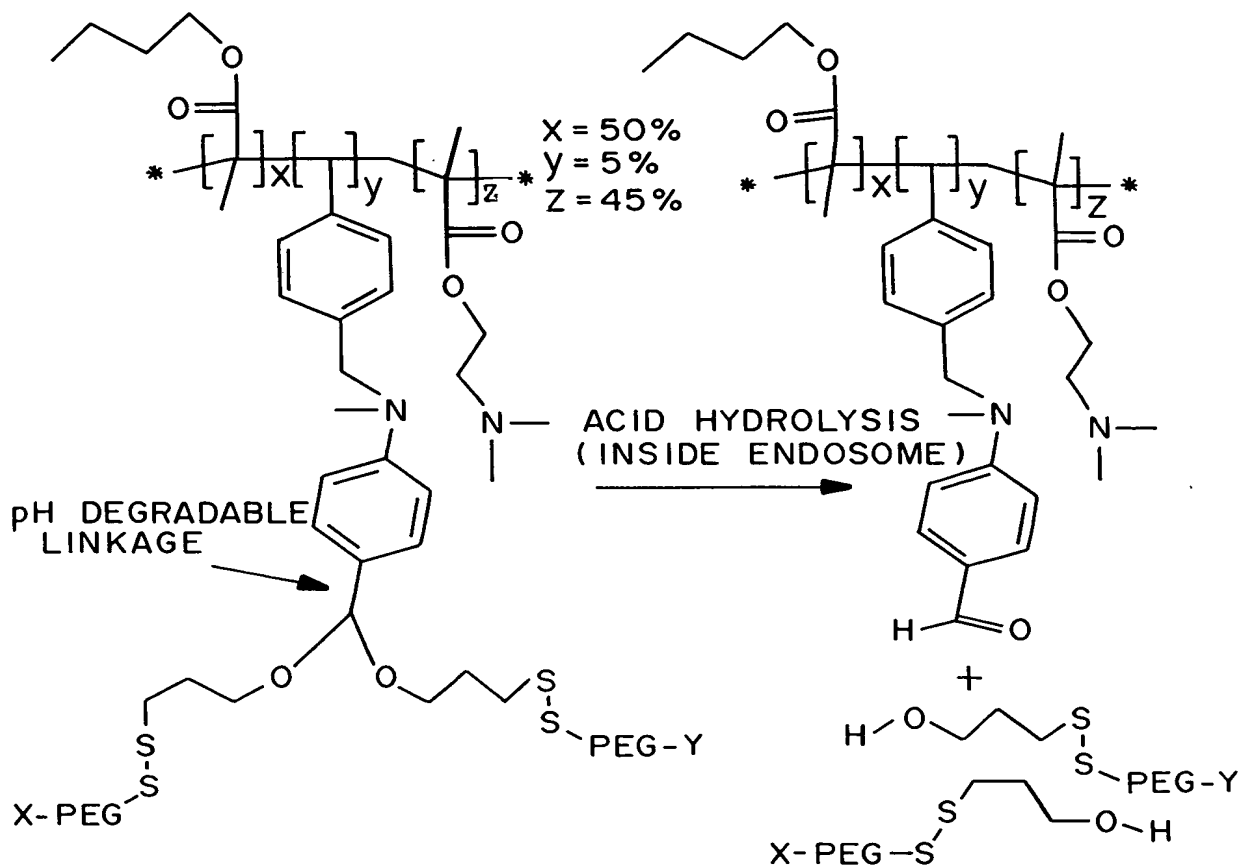


Free DRUG or
 PEG-DRUG delivered
 into cytoplasm

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
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SERUM STABLE
NONTOXIC FORM

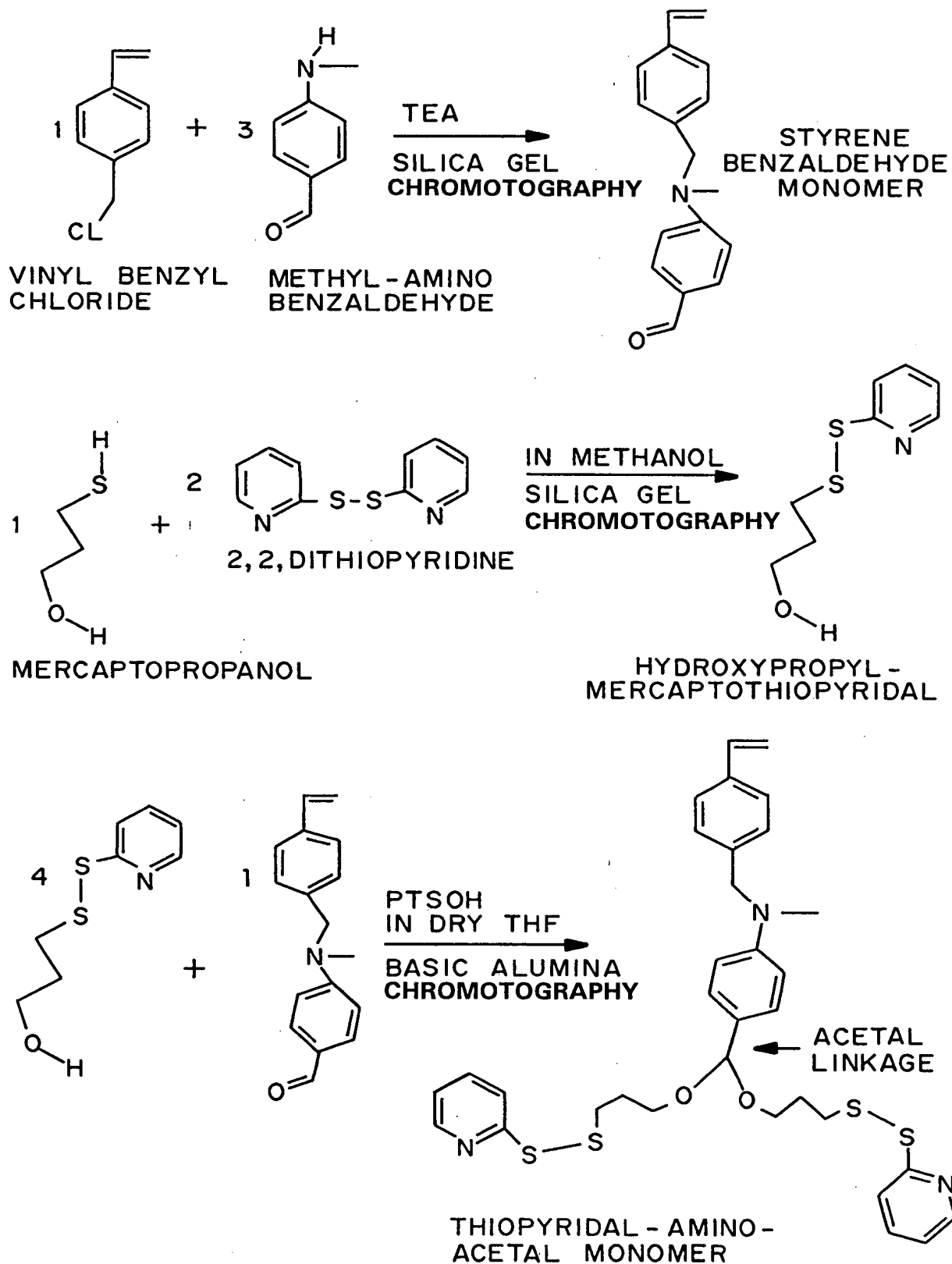
MEMBRANE DISRUPTIVE
FORM



Encrypted Polymer E1: X=Y= Methoxy
 Encrypted Polymer E2: X= Fluorescein, Y= Lactose
 Encrypted Polymer E3: X= Hexalysine, Y= Lactose

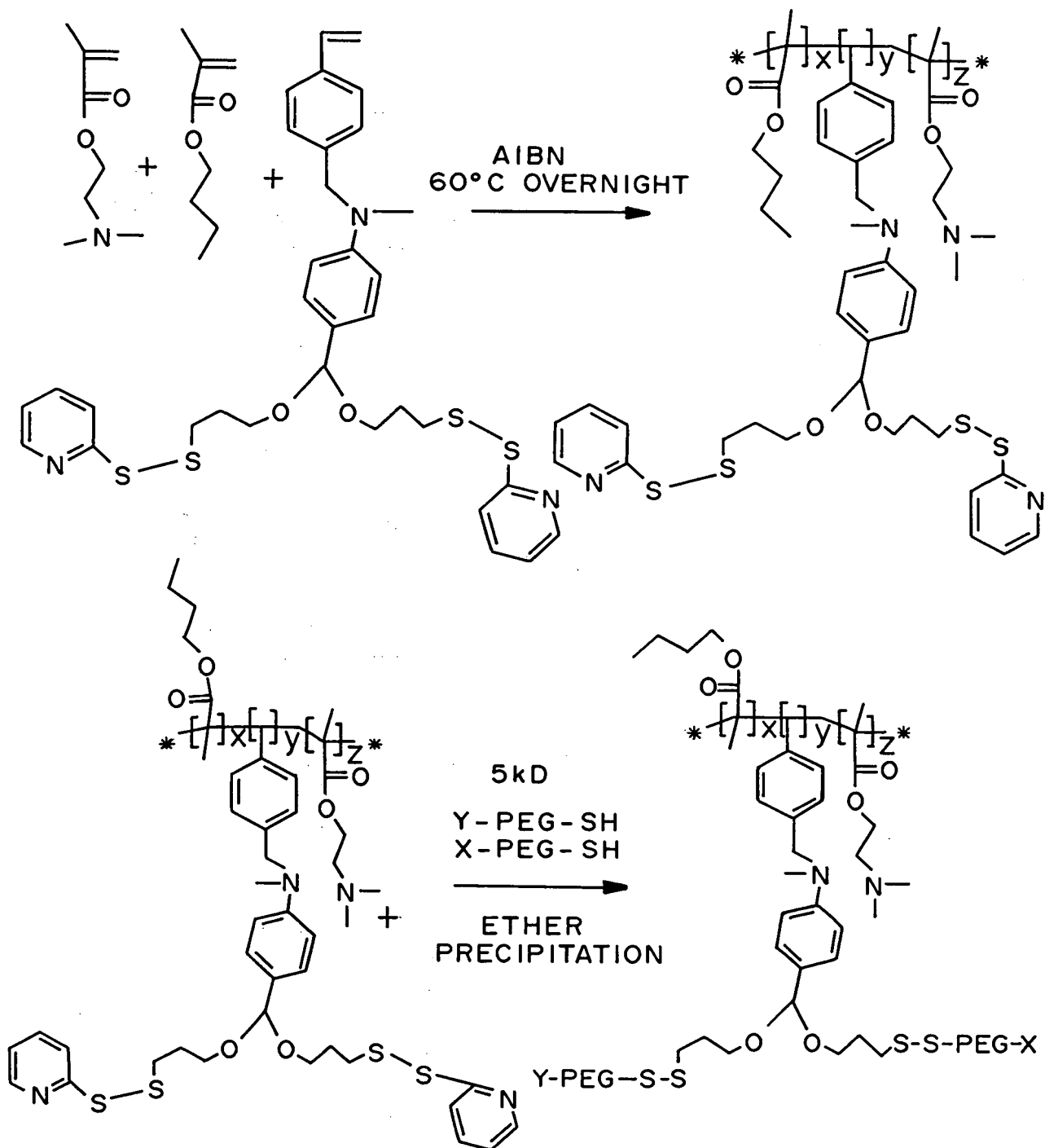
FIG. 4

FIG. 5A



APPROVED	O.G. FIG.
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FIG. 5B



ENCRYPTED POLYMER E1 : X=Y= METHOXY

ENCRYPTED POLYMER E2 : X=FLUORESCEIN, Y= LACTOSE

ENCRYPTED POLYMER E3 : X=HEXALYSINE, Y= LACTOSE

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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